

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

REC'D 07 NOV 2005

PCT WPT PCT

To:

see form PCT/ISA/220

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1)

Date of mailing
(day/month/year) see form PCT/ISA/210 (second sheet)

Applicant's or agent's file reference
see form PCT/ISA/220

FOR FURTHER ACTION
See paragraph 2 below

International application No.
PCT/GB2005/001111

International filing date (day/month/year)
23.03.2005

Priority date (day/month/year)
23.03.2004

International Patent Classification (IPC) or both national classification and IPC
G06F3/023

Applicant
PATEL, Sanjay

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA:



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**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/GB2005/001111

Box No. I Basis of the opinion

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
☐ This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
 - a. type of material:
☐ a sequence listing
☐ table(s) related to the sequence listing
 - b. format of material:
☐ in written format
☐ in computer readable form
 - c. time of filing/furnishing:
☐ contained in the international application as filed.
☐ filed together with the international application in computer readable form.
☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/GB2005/001111

Box No. V Reasoned statement under Rule 43bis.1(a)(I) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

| | | |
|-------------------------------|-------------|---------------------------|
| Novelty (N) | Yes: Claims | 6-34,41-43,45,49-54,56,57 |
| | No: Claims | 1-5,35-40,44,46-48,55,58 |
| Inventive step (IS) | Yes: Claims | |
| | No: Claims | 1-58 |
| Industrial applicability (IA) | Yes: Claims | 1-58 |
| | No: Claims | |

2. Citations and explanations

see separate sheet

Re Item V

**Reasoned statement with regard to novelty, inventive step or industrial applicability;
citations and explanations supporting such statement**

1 Reference is made to the following documents:

- D1: US-A-5 818 437 (GROVER ET AL) 6 October 1998 (1998-10-06)
- D2: WO 98/33111 A (TEGIC COMMUNICATIONS, INC) 30 July 1998 (1998-07-30)
- D3: US-B1-6 204 848 (NOWLAN STEVEN ET AL) 20 March 2001 (2001-03-20)

2 The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of the independent claims is not new in the sense of Article 33(2) PCT.

2.1 Regarding claim 1, D1 discloses an interface system for a personal computer comprising an array of data input keys having multi-character indicia (col.4, lines 34-37), said interface system further comprising data storage and data processing means (device is a computer) and data display means (col.4, lines 37-38 - "keystroke window 102") wherein the data processing means is adapted to facilitate a reduction in the number of key presses required to create a given data string to less than the number of characters within said data string (col.12, lines 1-6) by (i) filtering data stored within the data storage means by initial character, as determined by the character or characters ascribed to a data input key initially pressed by a user (col.7, lines 46-52), (ii) prioritising said filtered data in real-time according to user-configurable prioritisation parameters (col.8, lines 37-40) and (iii) displaying one or more prioritised data strings on the data display means for subsequent selection by the user (col.12, lines 6-9).

The subject matter of claim 1 is therefore not new.

2.2 The same reasoning applies, mutatis mutandis, to the subject-matter of the

independent claim 35 which therefore is also considered not new.

- 2.3 Regarding claim 46, D1 discloses a data input apparatus for a personal computer having calculator functionality, said apparatus comprising an array of conventional numerical and calculator operator keys (keypad 103 of Fig.1), a plurality of control-keys (system keys 104-106 of Fig.1) and display means located on the input apparatus (display 101 of Fig.1), wherein said control-keys are operable in combination with said calculator operator keys and/or said numerical keys to (i) selectively send calculator related key values to a computer (col.10, lines 1-5 - "In other instances.. ...via the serial communications ports"); and (ii) selectively perform mathematical calculations and display the results of said calculations on the display means (col.8, lines 45-50, col.9, line 66 - col.10, line 11).
- 2.4 The same reasoning applies, mutatis mutandis, to the subject-matter of the independent claim 55 which therefore is also considered not new.
- 3 Dependent claims 2-34,36-45,47-54,56-58 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of novelty and/or inventive step. See D1-D3 and the corresponding passages cited in the search report.